

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012816.D
 Acq On : 08 Nov 2017 12:10
 Operator : SJ/JU
 Sample : 6164-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ET0D0

Quant Time: Nov 09 01:32:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 01:31:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	112202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	434332	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	240869	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	510942	20.00	ng/ul	0.00
77) Chrysene-d12	21.36	240	573765	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	635069	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	8591	4.14	ng/uL	0.00
5) Phenol-d5	6.97	99	190397	22.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	108240	23.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	168566	24.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	138539	19.22	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	80793	25.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	94271	25.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	170079	22.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	83959	11.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	510739	25.62	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	614675	24.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	54151	16.96	ng/ul	0.00
57) Fluorene-d10	15.43	176	428449	25.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	46708	13.85	ng/ul	0.00
70) Anthracene-d10	17.28	188	647649	26.24	ng/ul	0.00
78) Pyrene-d10	19.57	212	679956	25.54	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	798316	26.59	ng/ul	0.00

Target Compounds

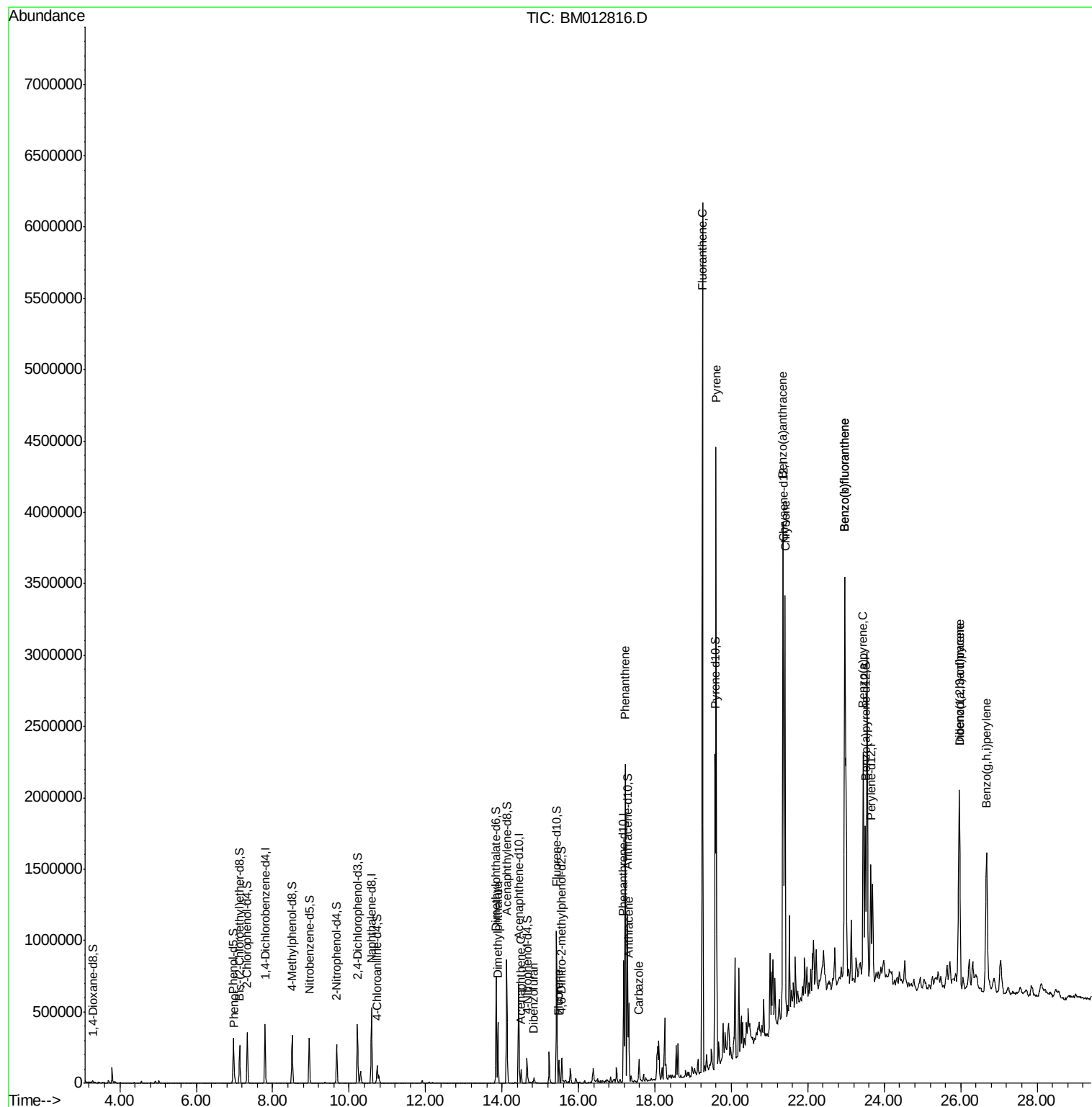
						Ovalue
6) Phenol	7.00	94	30617	3.57	ng/ul	98
44) Dimethylphthalate	13.89	163	271891	13.75	ng/ul	98
49) Acenaphthene	14.50	153	41708	2.56	ng/ul	98
53) Dibenzofuran	14.84	168	25183	1.06	ng/ul	91
58) Fluorene	15.49	166	69248	3.51	ng/ul	98
69) Phenanthrene	17.23	178	1413581	50.62	ng/ul	99
71) Anthracene	17.32	178	340941	11.77	ng/ul	99
74) Carbazole	17.59	167	88351	3.66	ng/ul	97
76) Fluoranthene	19.24	202	3636348	108.36	ng/ul#	94
79) Pyrene	19.60	202	2838107	82.91	ng/ul	94
82) Benzo(a)anthracene	21.35	228	1639609	47.22	ng/ul	100
84) Chrysene	21.40	228	1721103	54.70	ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	2685102	69.19	ng/ul#	97
88) Benzo(k)fluoranthene	22.97	252	2685102	72.79	ng/ul#	97
90) Benzo(a)pyrene	23.45	252	1238426	33.54	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.96	276	1476710	33.18	ng/ul#	86
92) Dibenz(a,h)anthracene	25.96	278	349876	9.29	ng/ul#	81
93) Benzo(g,h,i)perylene	26.67	276	1283361	34.99	ng/ul#	91

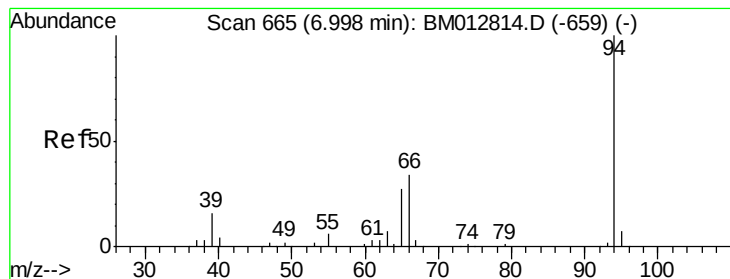
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012816.D
Acq On : 08 Nov 2017 12:10
Operator : SJ/JU
Sample : 6164-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ET0D0

Quant Time: Nov 09 01:32:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 01:31:40 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.57 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Instrument :

BNA_M

ClientSampleId :

ET0D0

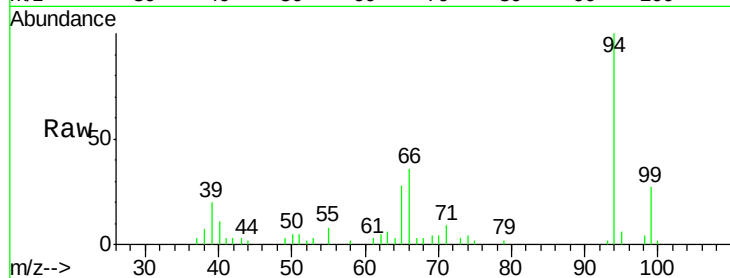
Tot Ion: 94 Resp: 30617

Ion Ratio Lower Upper

94 100

65 28.4 21.0 31.6

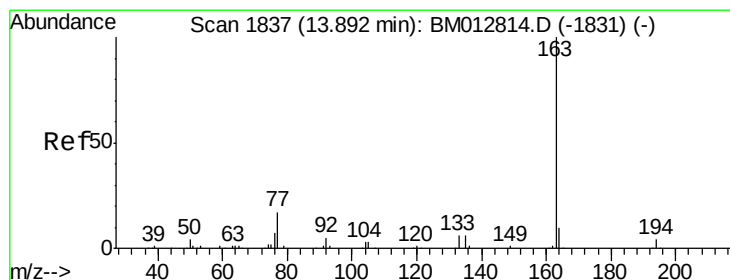
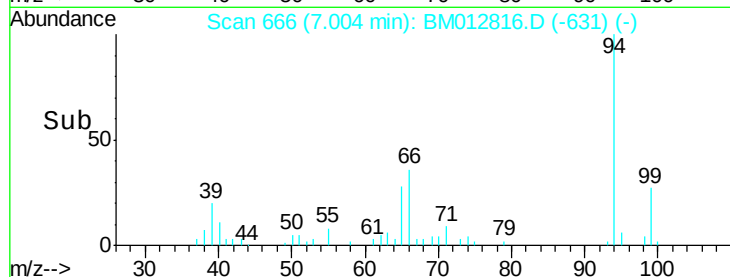
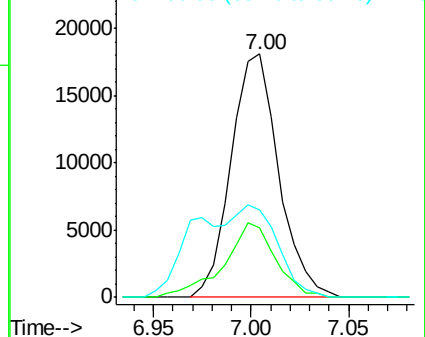
66 36.0 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012814.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM012814.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM012814.D (-659) (-)



#44

Dimethylphthalate

Concen: 13.75 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

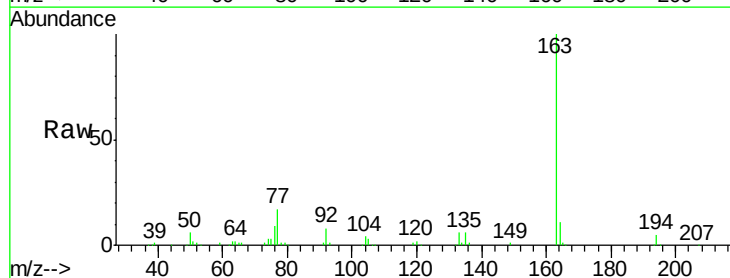
Tgt Ion: 163 Resp: 271891

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

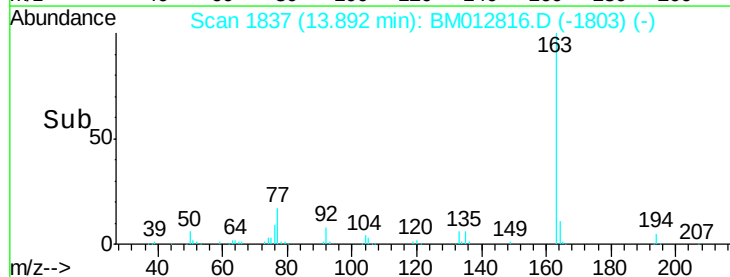
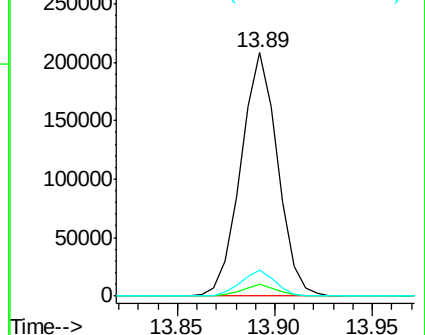
164 10.8 7.8 11.8

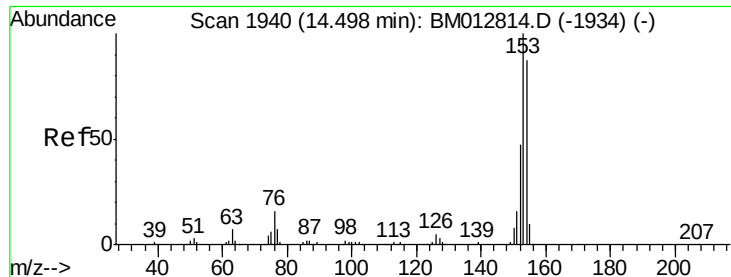


Abundance Ion 163.00 (162.70 to 163.70): BM012814.D (-1831) (-)

Ion 194.00 (193.70 to 194.70): BM012814.D (-1831) (-)

Ion 164.00 (163.70 to 164.70): BM012814.D (-1831) (-)





#49

Acenaphthene

Concen: 2.56 ng/ul

RT: 14.50 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Instrument :

BNA_M

ClientSampleId :

ET0D0

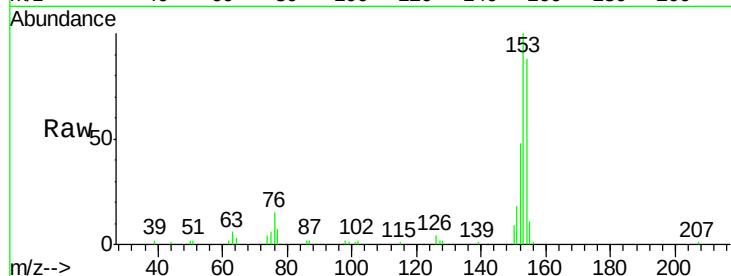
Tot Ion:153 Resp: 41708

Ion Ratio Lower Upper

153 100

152 47.8 38.3 57.5

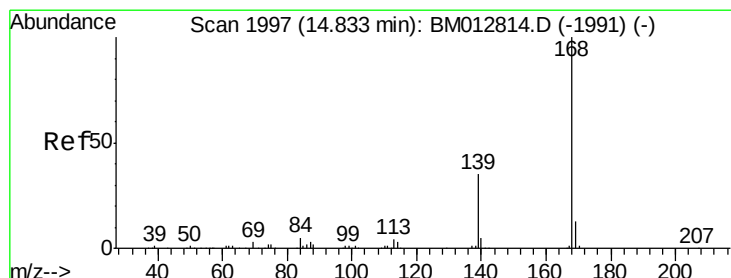
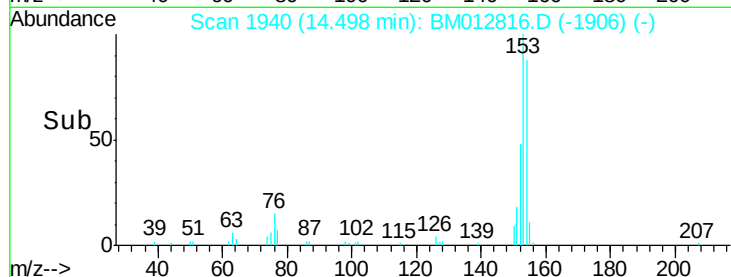
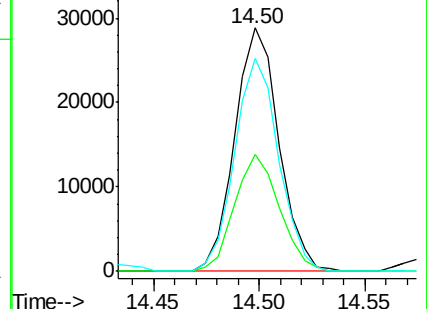
154 87.6 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.06 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012816.D

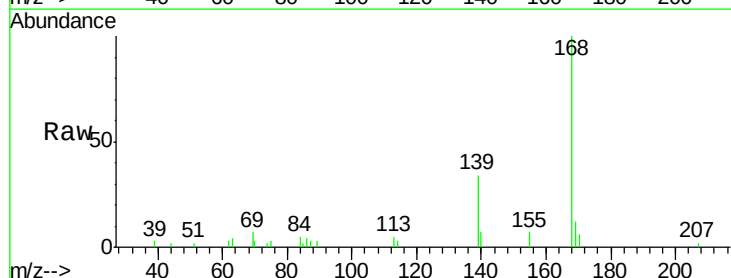
Acq: 08 Nov 2017 12:10

Tgt Ion:168 Resp: 25183

Ion Ratio Lower Upper

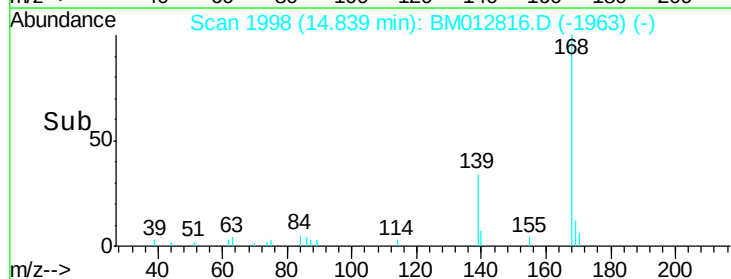
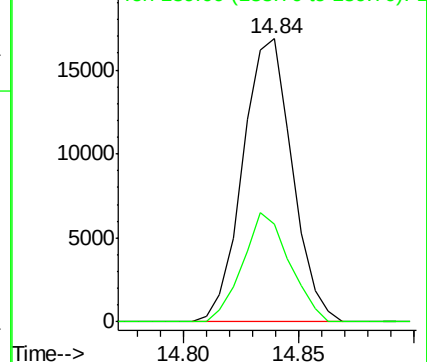
168 100

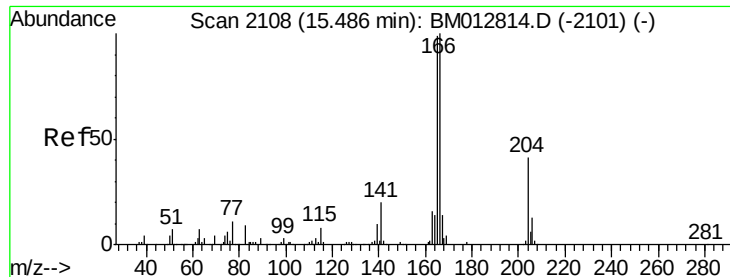
139 34.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

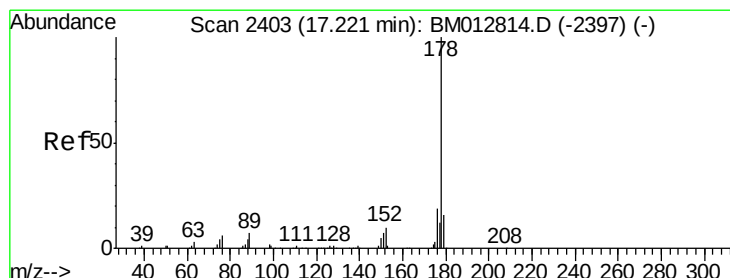
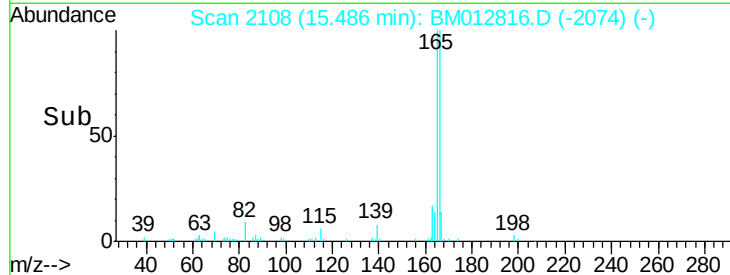
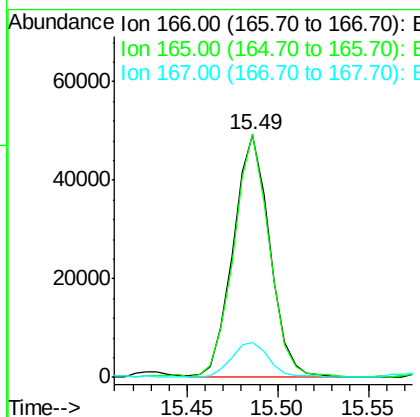
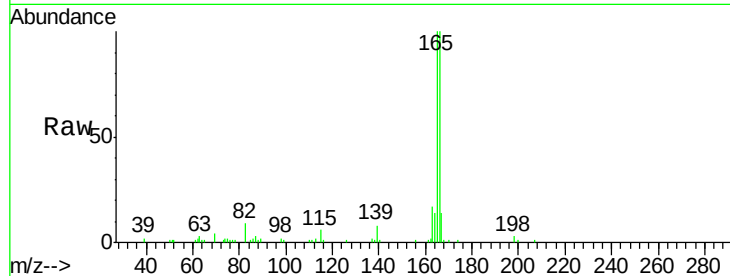




#58
 Fluorene
 Concen: 3.51 ng/ul
 RT: 15.49 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: BM012816.D
 Acq: 08 Nov 2017 12:10

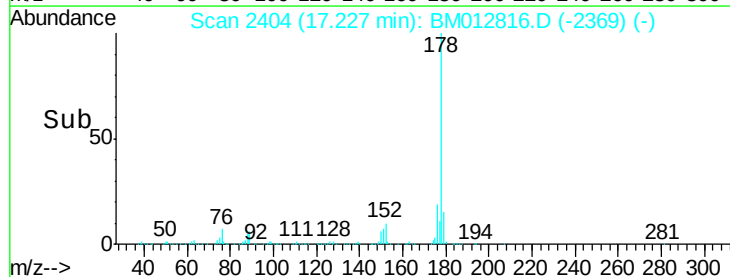
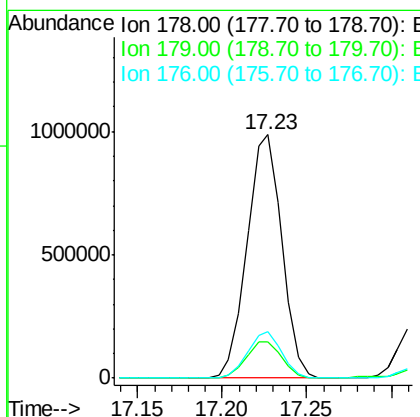
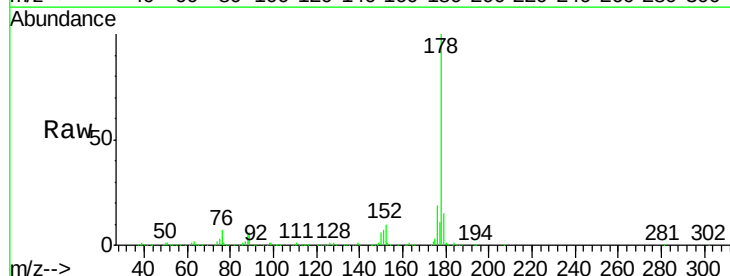
Instrument :
 BNA_M
 ClientSampleId :
 ET0D0

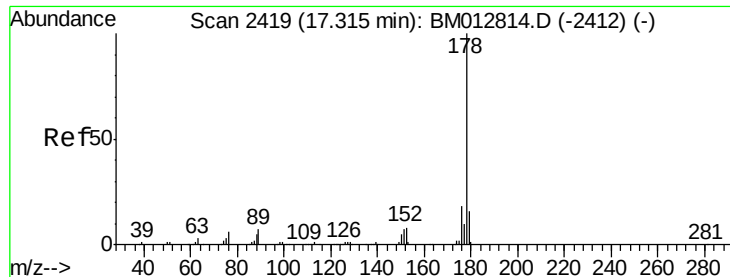
Tot Ion:166 Resp: 69248
 Ion Ratio Lower Upper
 166 100
 165 100.3 78.5 117.7
 167 14.5 10.7 16.1



#69
 Phenanthrene
 Concen: 50.62 ng/ul
 RT: 17.23 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BM012816.D
 Acq: 08 Nov 2017 12:10

Tgt Ion:178 Resp: 1413581
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.2 18.4
 176 18.9 15.6 23.4

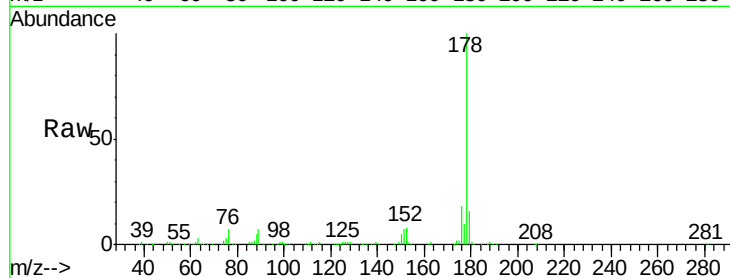




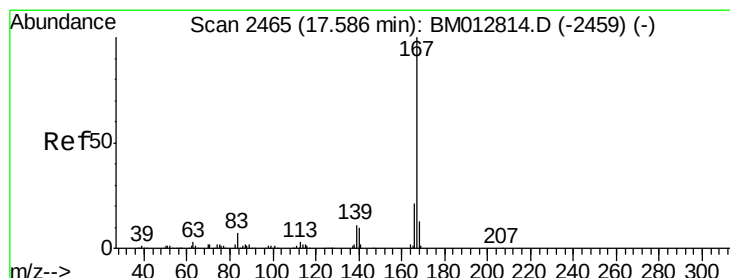
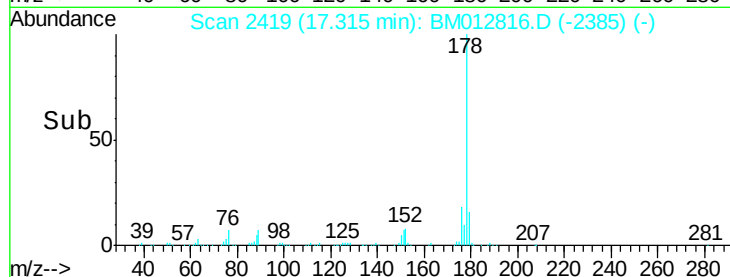
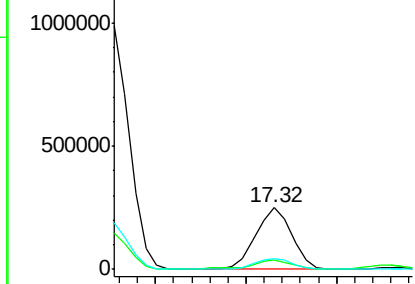
#71
 Anthracene
 Concen: 11.77 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM012816.D
 Acq: 08 Nov 2017 12:10

Instrument :
 BNA_M
 ClientSampleId :
 ET0D0

Tot Ion:178 Resp: 340941
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.1 18.1
 176 18.4 14.8 22.2

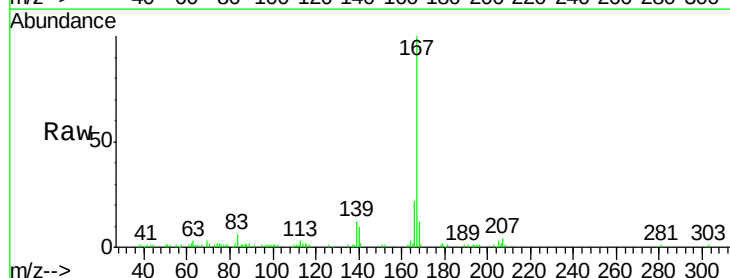


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

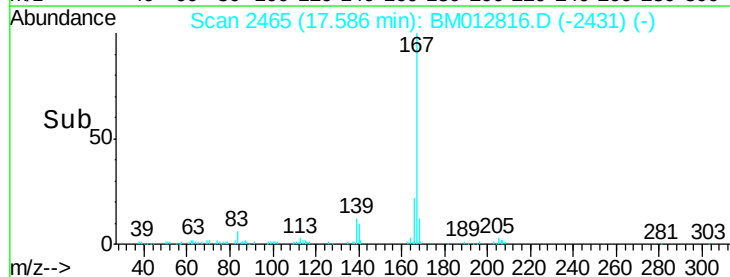
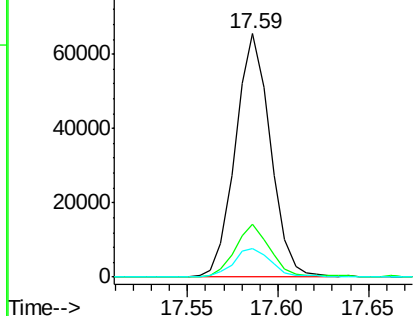


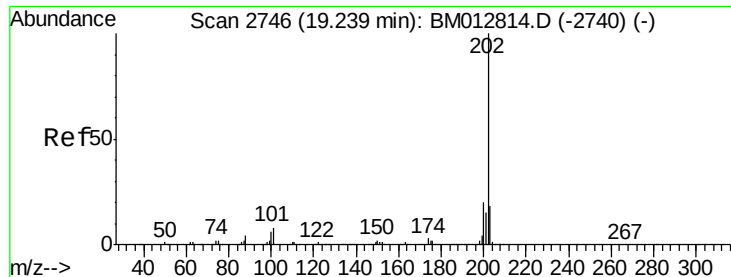
#74
 Carbazole
 Concen: 3.66 ng/ul
 RT: 17.59 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BM012816.D
 Acq: 08 Nov 2017 12:10

Tgt Ion:167 Resp: 88351
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 11.8 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

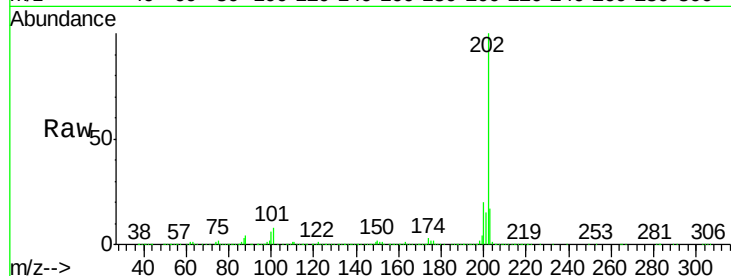




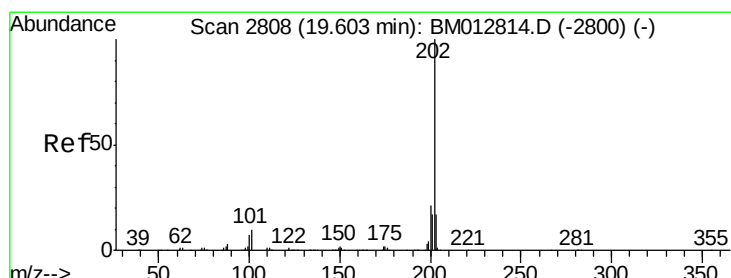
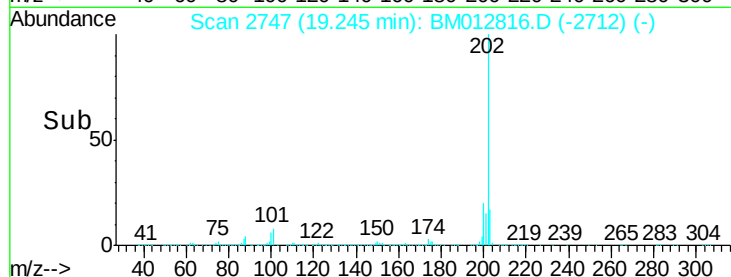
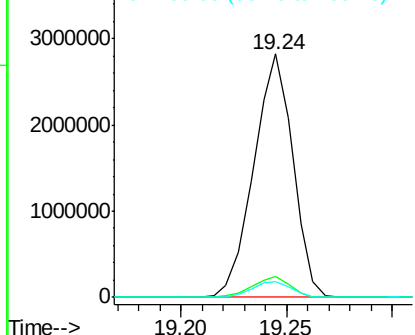
#76
Fluoranthene
Concen: 108.36 ng/ul
RT: 19.24 min Scan# 2747
Delta R.T. 0.01 min
Lab File: BM012816.D
Acq: 08 Nov 2017 12:10

Instrument :
BNA_M
ClientSampleId :
ET0D0

Tot Ion:202 Resp: 3636348
Ion Ratio Lower Upper
202 100
101 8.3 8.8 13.2#
100 6.4 6.6 9.8#

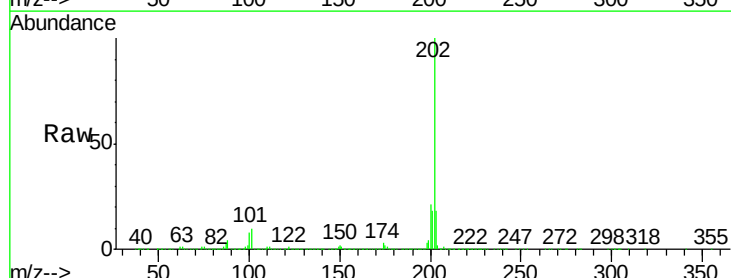


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

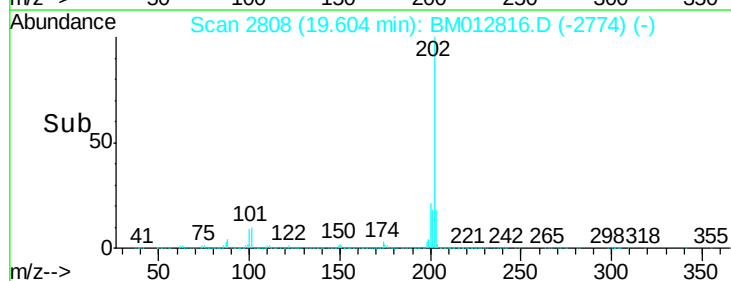
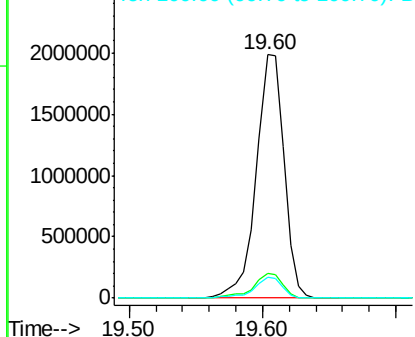


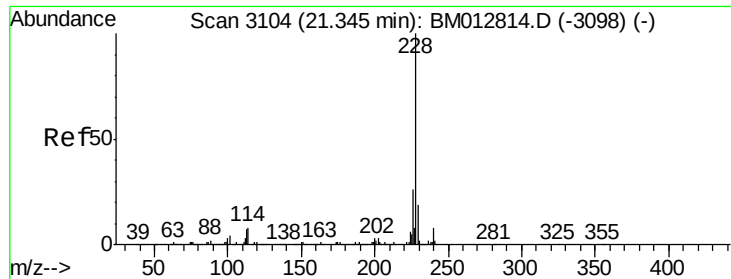
#79
Pyrene
Concen: 82.91 ng/ul
RT: 19.60 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BM012816.D
Acq: 08 Nov 2017 12:10

Tgt Ion:202 Resp: 2838107
Ion Ratio Lower Upper
202 100
101 10.2 10.2 15.2
100 8.5 8.5 12.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 47.22 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Instrument :

BNA_M

ClientSampleId :

ET0D0

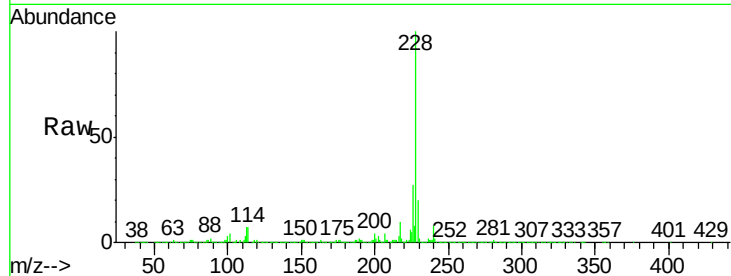
Tot Ion:228 Resp: 1639609

Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

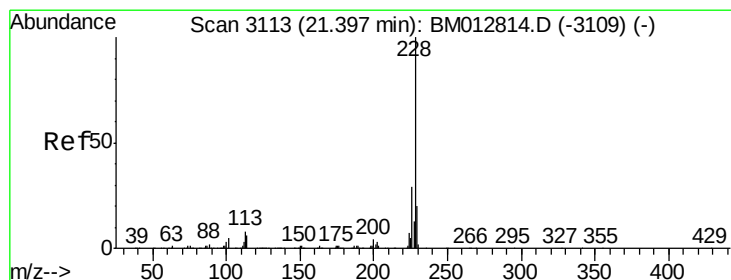
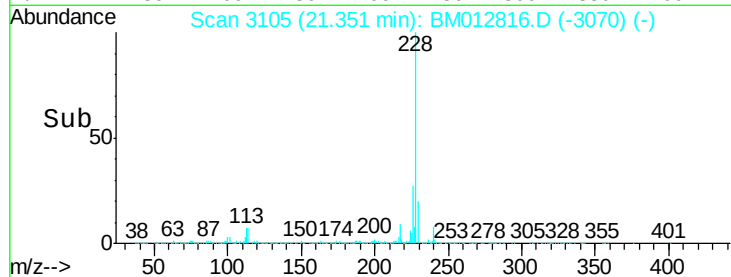
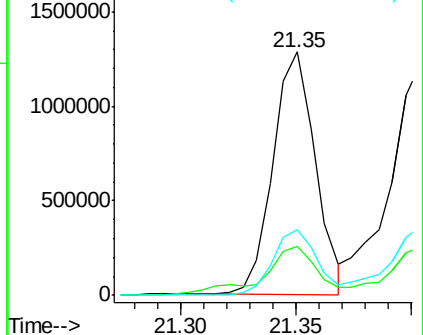
226 27.2 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 54.70 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

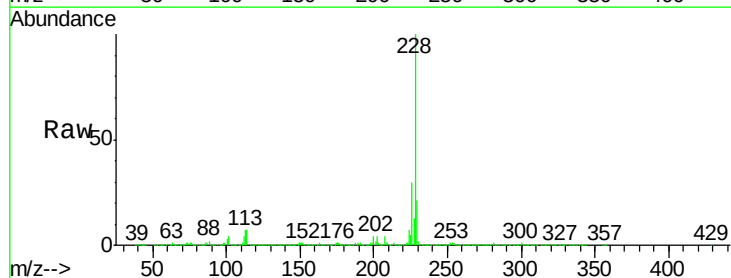
Tgt Ion:228 Resp: 1721103

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

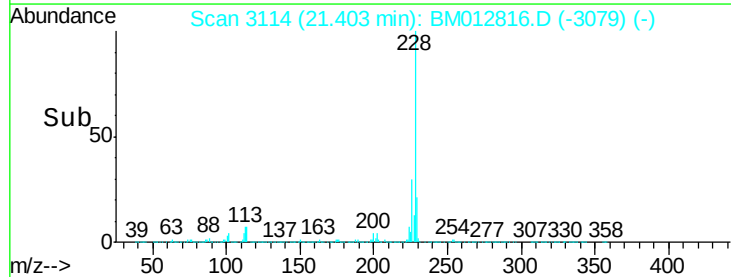
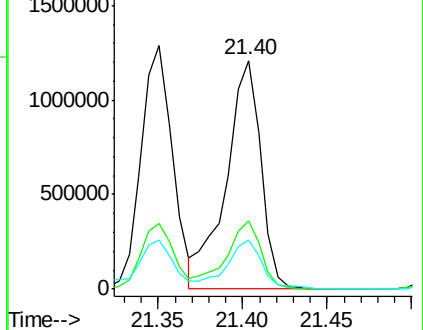
229 21.3 15.6 23.4

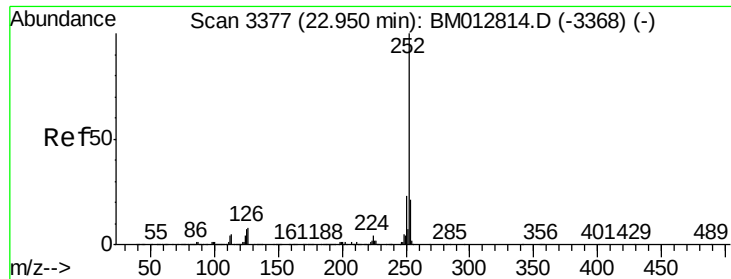


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

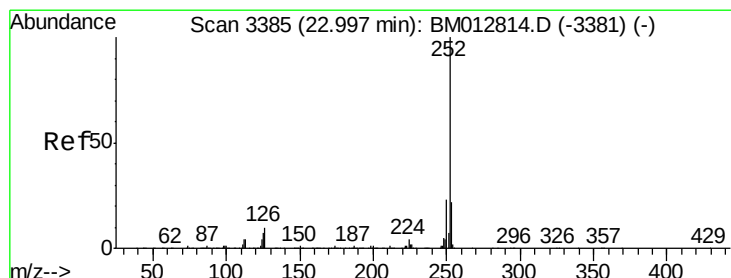
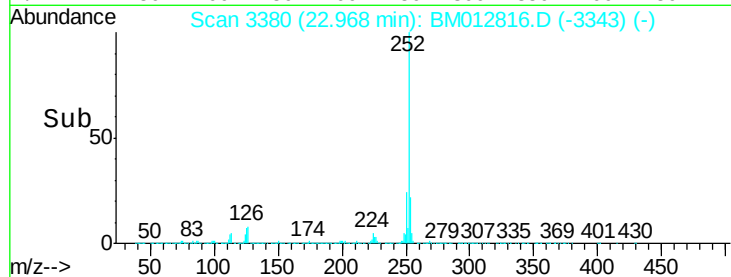
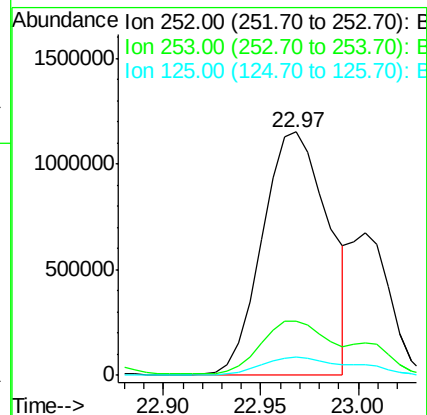
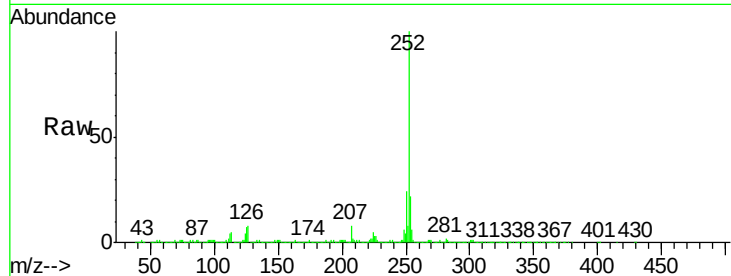




#87
Benzo(b)fluoranthene
Concen: 69.19 ng/ul
RT: 22.97 min Scan# 3380
Delta R.T. 0.02 min
Lab File: BM012816.D
Acq: 08 Nov 2017 12:10

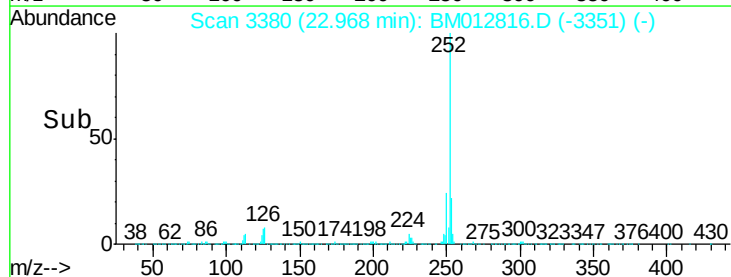
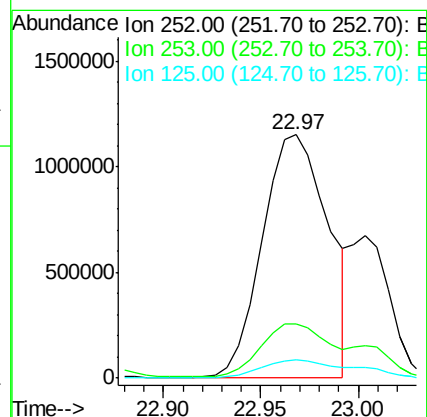
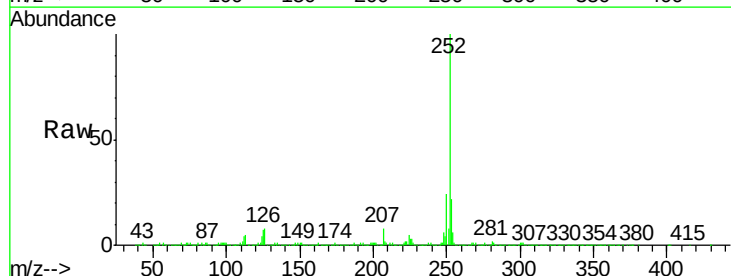
Instrument :
BNA_M
ClientSampleId :
ET0D0

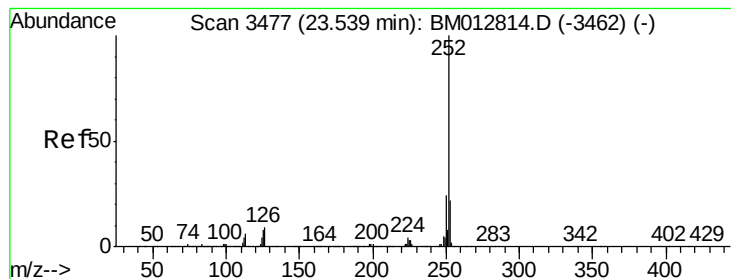
Tot Ion:252 Resp: 2685102
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 7.5 8.5 12.7#



#88
Benzo(k)fluoranthene
Concen: 72.79 ng/ul
RT: 22.97 min Scan# 3380
Delta R.T. -0.03 min
Lab File: BM012816.D
Acq: 08 Nov 2017 12:10

Tgt Ion:252 Resp: 2685102
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 7.5 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 33.54 ng/ul

RT: 23.45 min Scan# 3462

Delta R.T. -0.09 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Instrument :

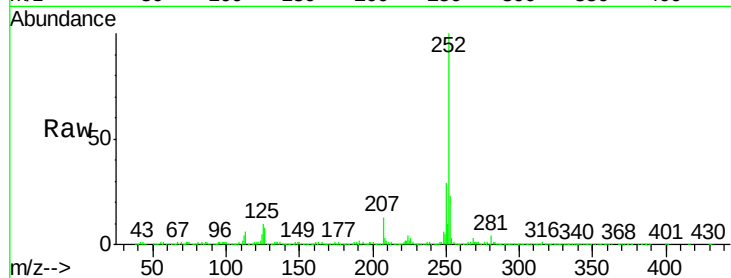
BNA_M

ClientSampleId :

ET0D0

Tot Ion:252 Resp: 1238426

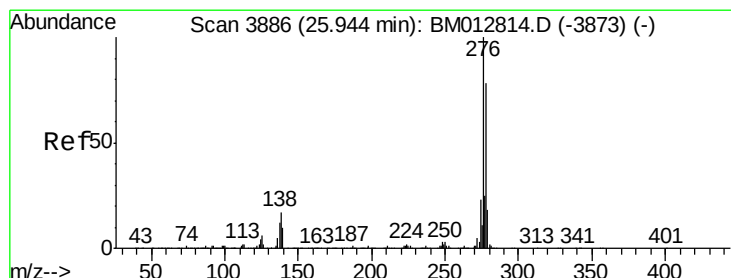
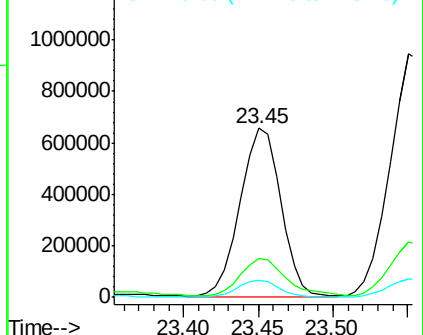
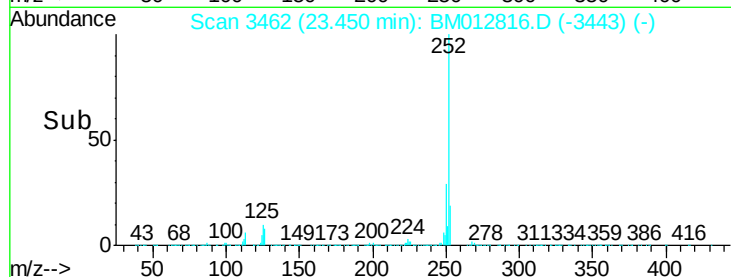
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.4	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 33.18 ng/ul

RT: 25.96 min Scan# 3889

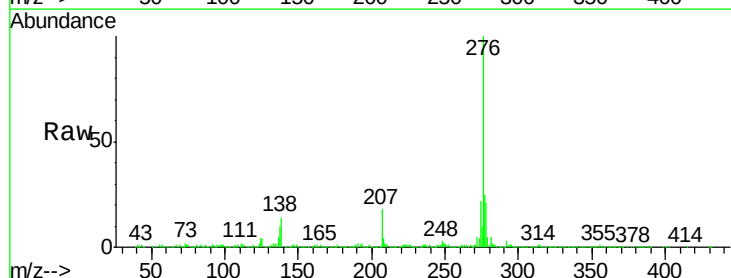
Delta R.T. 0.02 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Tgt Ion:276 Resp: 1476710

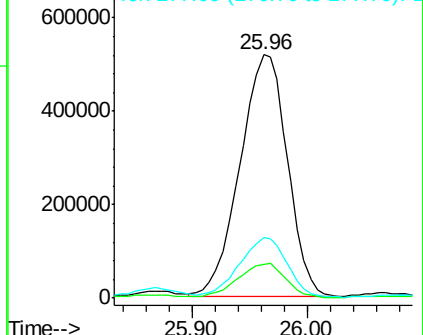
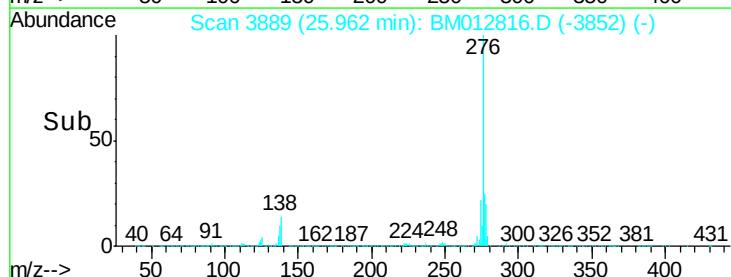
Ion	Ratio	Lower	Upper
276	100		
138	14.0	22.3	33.5#
277	25.0	20.2	30.2

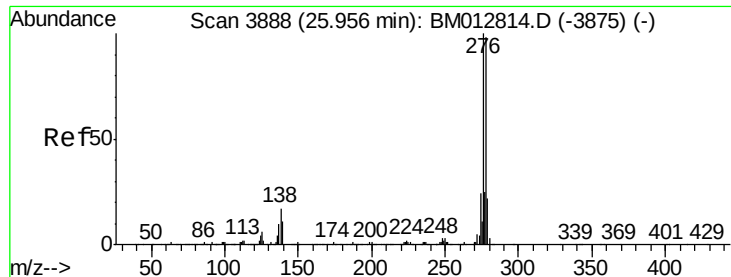


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 9.29 ng/ul

RT: 25.96 min Scan# 3889

Delta R.T. 0.01 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

Instrument :

BNA_M

ClientSampled :

ET0D0

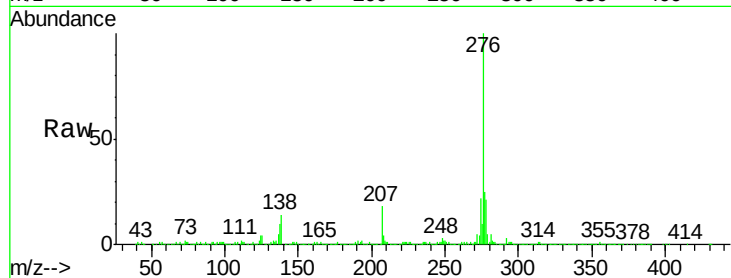
Tot Ion:278 Resp: 349876

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

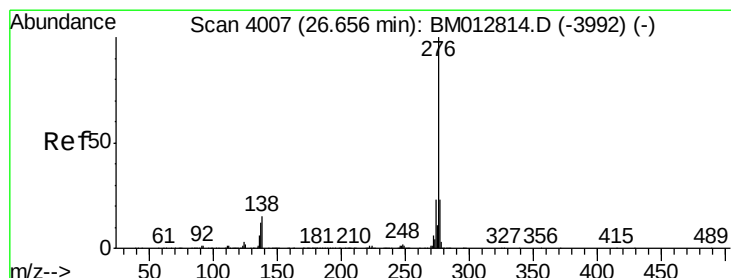
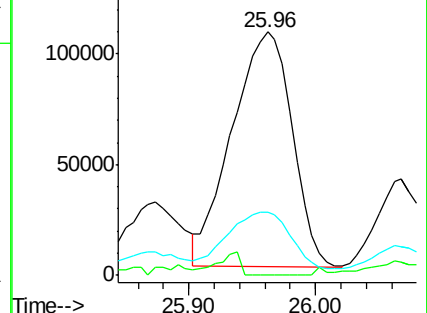
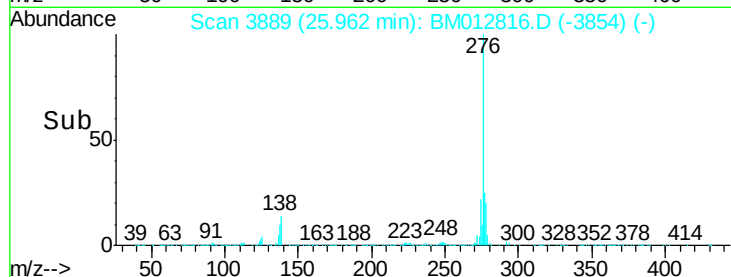
279 25.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 34.99 ng/ul

RT: 26.67 min Scan# 4010

Delta R.T. 0.02 min

Lab File: BM012816.D

Acq: 08 Nov 2017 12:10

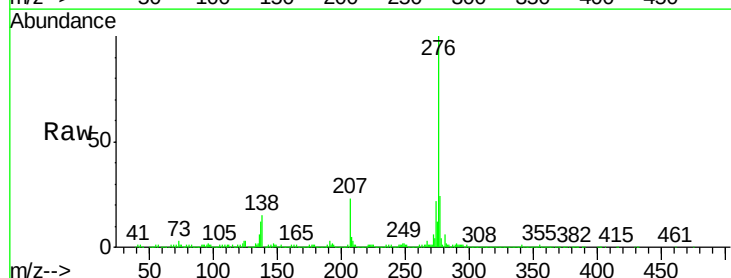
Tgt Ion:276 Resp: 1283361

Ion Ratio Lower Upper

276 100

138 14.7 18.9 28.3#

277 24.4 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

